

SHEET 1 OF 5

Form PTO-1449

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number: ARC0120001.08

Application Number: 10/722,272

Applicant

Thomas M. Baer et al.

Filing Date: November 25, 2003

Group Art Unit 2877

Mailing Date: June 18, 2004

## U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
TN	5,479,252	12-26-95	Worster et al.	356	237	6-17-93
	3,680,947	8-1-72	Wanesky	350	81	4-21-70
	3,705,769	12-12-72	Johannsmeier	355	91	11-12-70
	3,848,962	11-19-74	Nelson	350	86	10-18-73
	4,210,384	7-1-80	Meyer et al.	350	19	5-17-79
	4,303,866	12-1-81	Porro et al.	250	442	5-29-80
	4,436,385	3-13-84	Fischer et al.	350	529	7-24-81
	4,508,435	4-2-85	Graham et al.	350	529	6-18-82
TN	4,509,834	4-9-85	Hodgson	350	521	3-24-82

## FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
TN	WO95/23960	08/09/95	PCT	G01N	1/28		
	WO91/07683	30/05/91	PCT	G02B	21/26		
	WO97/13838	17/04/97	PCT	C12M	1/26		
TN	196 03 996 A1	14/08/97	Germany	G01N	1/04		

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

TN	Emmert-Buck, M. et al., "Laser Capture Microdissection", <i>Science</i> , Vol. 274, 8 Nov. 1996, pp. 998-1001.
	Bielser, G. et al., "Cell surgery by laser micro-dissection: a preparative method", <i>Journal of Microscopy</i> , Vol. 107, Pt. 1, May 1976, pp. 19-24.
TN	Bonner, R. et al., "Laser Capture Microdissection: Molecular Analysis of Tissue", <i>Science</i> , Vol. 278, 21 Nov. 1997, pp. 1481-1483.
	Friend, T., "Getting up close to cancer genes", printed in <i>USA Today</i> newspaper, Science section, August 5, 1997.

EXAMINER

DATE CONSIDERED

12/23/04

Form PTO-1449

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**

(Use several sheets if necessary)

Docket Number: ARC0120001.08

Application Number: 10/722,272

Applicant

Thomas M. Baer et al.

Filing Date: November 25, 2003

Group Art Unit 2877

Mailing Date: June 18, 2004

**U.S. PATENT DOCUMENTS**

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
TN	4,538,885	9-3-85	Graham et al.	350	529	6-18-82
	4,552,033	11-12-85	Marzhauser	74	479	4-12-84
	4,600,282	7-15-86	Yamamura et al.	353	122	11-5-84
	4,614,431	9-30-86	Komeyama	356	401	2-16-84
	4,627,009	12-2-86	Holmes et al.	364	559	5-24-83
	4,673,261	1-16-87	Hunt et al.	350	531	5-16-85
	4,702,565	10-27-87	Schilling et al.	350	531	2-26-86
	4,731,530	3-15-88	Mikan	250	229	4-21-86
	4,807,984	2-28-89	Kurimura et al.	350	529	2-12-87
	4,836,667	6-6-89	Ozeki	350	531	5-4-87
	4,824,229	4-25-89	Narita et al.	350	531	12-7-87
	4,852,985	8-1-89	Fujihara et al.	350	523	10-16-87
	4,856,873	8-15-89	Kleinberg	350	502	5-15-87
	4,871,245	10-3-89	Ishikawa et al.	350	502	10-26-87
	4,920,053	4-24-90	Inoue et al.	435	240.1	4-28-88
	4,964,708	10-23-90	Mason	350	519	7-14-89
	4,923,294	5-8-90	Courtenay	350	529	10-20-88
TN	4,992,660	2-12-91	Kobayashi	250	306	6-25-90

**FOREIGN PATENT DOCUMENTS**

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

EXAMINER	TN
DATE CONSIDERED	12/23/04

Form PTO-1449

# INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Docket Number: ARC0120001.08

Application Number: 10/722,272

Applicant

Thomas M. Baer et al.

Filing Date: November 25, 2003

Group Art Unit 2877

Mailing Date: June 18, 2004

## U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
TN	5,029,791	7-9-91	Ceccon et al.	248	287	3-8-90
	5,057,689	10-15-91	Nomura et al.	250	310	9-17-90
	5,077,620	12-31-91	Mauro	359	393	6-6-90
	5,089,909	2-18-92	Kleinberg	359	363	9-27-90
	5,103,338	4-7-92	Crowley et al.	359	394	10-4-90
	5,126,877	6-30-92	Biber	359	389	9-4-91
	5,162,941	11-10-92	Favro et al.	359	386	7-23-91
	5,165,297	11-24-92	Krueger	74	479	2-15-91
	5,173,802	12-22-92	Heller	359	384	9-16-91
	5,173,803	12-22-92	Heller	359	384	9-16-91
	5,253,110	10-12-93	Ichihara et al.	359	619	11-24-92
	5,262,891	11-16-93	Nakasato	359	385	4-24-92
	5,263,384	11-23-93	Suzuki	74	479 MF	2-18-92
	5,288,996	2-22-94	Betzig et al.	250	227.26	1-6-93
	5,296,963	3-22-94	Murakami et al.	359	389	2-27-92
	5,312,393	5-17-94	Mastel	606	4	12-31-92
	5,323,009	6-21-94	Harris	250	458.1	12-2-92
TN	5,337,178	8-9-94	Kung et al.	359	393	12-23-92

## FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER		TN	DATE CONSIDERED	12/23/04
----------	--	----	-----------------	----------

<b>Form PTO-1449</b>  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <i>(Use several sheets if necessary)</i>	Docket Number: ARC0120001.08	Application Number: 10/722,272
	Applicant <b>Thomas M. Baer et al.</b>	
	Filing Date: November 25, 2003	Group Art Unit 2877
	Mailing Date: June 18, 2004	

U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
TN	5,345,333	9-6-94	Greenberg	359	389	4-19-91	
	5,357,366	10-18-94	Marchlenski	359	393	8-30-93	
	5,359,417	10-25-94	Muller et al.	356	375	10-15-92	
	5,367,401	11-22-94	Saulietis	359	398	11-23-90	
	5,386,112	1-31-95	Dixon	250	234	12-23-92	
	5,393,647	2-28-95	Neukermans et al.	430	320	7-16-93	
	5,403,970	4-4-95	Aoki	84	626	11-19-90	
	5,412,503	5-2-95	Nederlof	359	393	8-23-93	
	5,420,716	5-30-95	Fukaya	359	368	6-29-93	
	5,434,703	7-18-95	Morizumi	359	385	11-2-93	
	5,450,233	9-12-95	Yamamoto et al.	359	368	4-27-93	
	5,455,420	10-3-95	Ho et al.	250	306	7-12-94	
	5,468,967	11-21-95	Chan et al.	250	397	8-26-94	
	5,471,260	11-28-95	Luce et al.	351	205	10-28-94	
	5,504,366	4-2-96	Weiss et al.	73	863	9-13-93	
	5,506,725	4-9-96	Koike et al.	359	388	12-28-94	
	5,510,615	4-23-96	Ho et al.	250	306	6-7-95	
TN	5,517,353	5-14-96	Ikoh et al.	359	388	5-24-94	
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
EXAMINER			DATE CONSIDERED				
TN			12/23/04				

Form PTO-1449

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number: ARC0120001.08

Application Number: 10/722,272

Applicant

Thomas M. Baer et al.

Filing Date: November 25, 2003

Group Art Unit 2877

Mailing Date: June 18, 2004

## U.S. PATENT DOCUMENTS

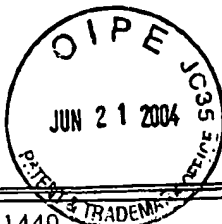
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
TN	5,532,873	7-2-96	Dixon	359	388	9-8-93
	5,535,052	7-9-96	Jorgens	359	388	7-14-93
	5,536,941	7-16-96	Swann	250	311	2-22-95
	5,532,476	7-2-96	Mikan	250	221	12-21-94
	5,537,863	7-23-96	Fujiu et al.	73	105	7-15-94
	5,552,928	9-3-96	Furuhashi et al.	359	379	12-16-93
	5,557,456	9-17-96	Garner et al.	359	393	3-4-94
	5,558,329	9-24-96	Liu	273	148 B	3-1-95
	5,559,329	9-24-96	Joseph et al.	250	306	8-31-94
	5,587,748	12-24-96	Luce et al.	351	208	10-28-94
	5,587,833	12-24-96	Kamentsky	359	393	7-9-93
	5,598,888	2-4-97	Sullivan et al.	165	263	9-23-94
	5,602,674	2-11-97	Weissman et al.	359	393	6-16-95
	5,619,035	4-8-97	Weiss et al.	250	306	12-22-95
	5,621,207	4-15-97	O'Mara	250	221	8-29-94
	5,638,206	6-10-97	Sumiya et al.	359	368	9-29-94
	5,641,896	6-24-97	Karrai	73	105	2-27-95
TN	5,659,421	8-19-97	Rahmel et al.	359	391	7-5-95

## FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED
TN	12/23/04



SHEET 1 OF 1

Form PTO-1449

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number: ARC0120001.08

Application Number: 10/722,272

Applicant

Thomas M. Baer et al.

Filing Date: November 25, 2003

Group Art Unit 2877

Mailing Date: June 18, 2004

## U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE

## FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

TN	Schindler, M., "Select, microdissect, and eject", <i>Nature Biotechnology</i> , Vol. 16, No. 8, August 1998, pp. 719-720.
	Schutze, K. et al., "Identification of expressed genes by laser-mediated manipulation of single cells", <i>Nature Biotechnology</i> , Vol. 16, No. 8, August 1998, pp. 737-742.
TN	Meier-Ruge, W. et al., "The laser in the Lowry technique for microdissection of freeze-dried tissue slices", <i>Histochemical Journal</i> , Vol. 8 (1976), pp. 387-401.
	Kubo, Y. et al., "Early Detection of Knudson's Two-Hits in Preneoplastic Renal Cells of the Eker Rat Model by the Laser Microdissection Procedure", <i>Cancer Research</i> , Vol. 55, No. 5, March 1995, pp. 989-990.
TN	Jimenez, C.R. et al., "Neuropeptide Expression and Processing as Revealed by Direct Matrix-Assisted Laser Desorption Ionization Mass Spectrometry of Single Neurons", <i>Journal of Neurochemistry</i> , Vol. 62, No. 1, January 1994, pp. 404-407.
	Schindler, M. et al., "Automated Analysis and Survival Selection of Anchorage-Dependent Cells Under Normal Growth Conditions", <i>Cytometry</i> , Vol. 6, No. 4, July 1985, pp. 368-374.
TN	Fukui, K. et al., "Microdissection of plant chromosomes by argon-ion laser beam", <i>Theoretical and Applied Genetics</i> , Vol. 84, No. 1-2, June 1992, pp. 787-791.
TN	Ashkin, A. et al., "Internal cell manipulation using infrared laser traps", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 86, No. 20, October 1989, pp. 7914-7918.
TN	Veigel, C. et al., "New cell biological applications of the laser microbeam technique: the microdissection and skinning of muscle fibers and the perforation and fusion of sarcolemma vesicles", <i>European Journal of Cell Biology</i> , Vol. 63, No. 1, February 1994, pp. 140-148.
TN	Geduspan, J. et al., "A Growth-Promoting Influence from the Mesonephros during Limb Outgrowth", <i>Developmental Biology</i> , Vol. 151, No. 1, May 1992, pp. 242-250.

EXAMINER

TN

DATE CONSIDERED

12/23/04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



SHEET 1 OF 1

Form PTO-1449

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number: ARC0120001.08

Application Number: 10/722,272

Applicant

Thomas M. Baer et al.

Filing Date: November 25, 2003

Group Art Unit 2877

Mailing Date: June 18, 2004

## U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
TN	4,623,839	11/18/86	Garretson et al.	324	158	
TN	5,298,963	3/29/94	Moriya et al.	356	31	

## FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

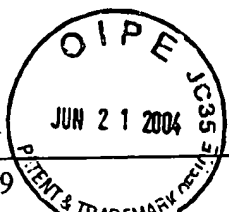

EXAMINER

TN

DATE CONSIDERED

12/23/04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number: ARC0120001.08

Application Number: 10/722,272

Applicant

Thomas M. Baer et al.

Filing Date: November 25, 2003

Group Art Unit 2877

Mailing Date: June 18, 2004

## U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
TN	1.	08/04/1987	4,684,781	Frish et al.			
	2.	01/22/1991	4,987,006	Williams et al.			
	3.	05/21/1991	5,017,428	Mecke et al.			
	4.	09/01/1992	5,143,552	Moriyama			
	5.	01/18/1994	5,280,384	Shibasaki			
	6.	01/03/1995	5,378,675	Takeyama et al.			
	7.	02/20/1996	5,492,861	Opower			
	8.	07/02/1996	5,532,128	Eggers et al.			
	9.	09/17/1996	5,556,790	Pettit			
	10.	11/26/1996	5,578,832	Trulson et al.			
TN	11.	05/20/1997	5,631,734	Stern et al.			

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
TN	12.	08/29/1975	CH 566 015 A5	Switzerland			Abstract
TN	13.	11/16/1995	WO 95/30919 A1	WIPO			
TN	14.	08/13/1998	WO 98/35216 A1	WIPO			

## OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
TN	15.	Goldstein, S.R. et al. (1998). "Thermal Modeling of Laser Capture Microdissection," <i>Applied Optics</i> 37(31):7378-7391.
TN	16.	Isenberg, G. et al. (1976). "Cell Surgery by Laser Micro-Dissection: A Preparative Method," <i>J. Microsc.</i> 107(1):19-24.
TN	17.	Kuska, B. (1996). "New Aim-and-Shoot Technique Speeds Up Cell Analysis," <i>J. Natl. Cancer Inst.</i> 88(23):1708-1709.

EXAMINER:

TN

DATE CONSIDERED:

12/23/04

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.



Form PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION  (Use several sheets if necessary)	Docket Number: ARC0120001.08	Application Number: 10/722,272
	Applicant  Thomas M. Baer et al.	
	Filing Date: November 25, 2003	Group Art Unit 2877
	Mailing Date: June 18, 2004	

<i>TR</i>	18.	Lewis, R. (1998). "Laser Aids Alzheimer's Study," <i>Biophotonics International</i> Nov./Dec.: 2 pages total.
<i>TR</i>	19.	Simone, N.L. et al. (1998). "Laser Capture Microdissection: Opening the Microscopic Frontier to Molecular Analysis," <i>Trends Genet.</i> 14(7):272-276.

EXAMINER: <i>TR</i>	DATE CONSIDERED: 12/23/04
---------------------	---------------------------

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449

Docket Number: ARC0120001.08

Application Number: 10/722,272

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

Applicant

Thomas M. Baer et al.

Filing Date: November 25, 2003

Group Art Unit 2877

Mailing Date: June 18, 2004

(Use several sheets if necessary)



## U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO

## OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
TR	1.	Anonymous. Printout from Ebay website providing photographs of a microscope, available at <a href="http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&amp;item=1033857903">http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&amp;item=1033857903</a> on January 15, 2002 (5 pages total).

EXAMINER:

TR

DATE CONSIDERED:

12/23/04

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449

Docket Number: ARC0120001.08

Application Number: 10/722,272

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

Applicant

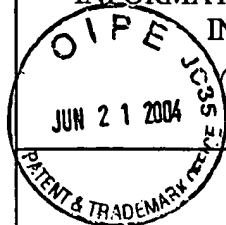
Thomas M. Baer et al.

Filing Date: November 25, 2003

Group Art Unit 2877

Mailing Date: June 18, 2004

(Use several sheets if necessary)



## U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
TN	1.	05/07/1974	3,809,433	Mulasmajic			
	2.	06/09/1987	4,672,559	Jansson et al.			
	3.	07/26/1988	4,760,385	Jansson et al.			
	4.	05/30/1993	5,197,371	van der Heijden et al.			
	5.	05/18/1993	5,212,1993	Coad et al.			
	6.	08/10/1999	5,935,942	Zeimer			
TN	7.	11/07/2000	6,143,535	Palsson			

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
TN	8.	10/08/1998	WO 98/44446	PCT			

## OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title

EXAMINER:

TN

DATE CONSIDERED:

12/23/04

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.